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1 [Learning to detect phishing emails](#)



Ian Fette, Norman Sadeh, Anthony Tomasic

May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available: [pdf\(235.33 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 595, Citation Count: 1

Each month, more attacks are launched with the aim of making web users believe that they are communicating with a trusted entity for the purpose of stealing account information, logon credentials, and identity information in general. This attack method, ...

Keyw ords: email, filtering, learning, phishing, semantic attacks, spam

2 [Protecting people from phishing: the design and evaluation of an embedded training email system](#)



Ponnurangam Kumaraguru, Yong Rhee, Alessandro Acquisti, Lorrie Faith Cranor, Jason Hong, Elizat Nunge

April 2007 CHI '07: Proceedings of the SIGCHI conference on Human factors in computing system

Publisher: ACM

Full text available: [pdf\(1.16 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 75, Downloads (12 Months): 557, Citation Count: 1

Phishing attacks, in which criminals lure Internet users to websites that impersonate legitimate are occurring with increasing frequency and are causing considerable harm to victims. In this pa we describe the design and evaluation of an embedded ...

Keyw ords: email, embedded training, phishing, situated learning, usable privacy and security

3 [Attacking information visualization system usability overloading and deceiving the human](#)



Gregory Conti, Mustaque Ahamad, John Stasko

July 2005 SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security

Publisher: ACM

Full text available: [pdf\(682.30 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)


Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 235, Citation Count: 2

Information visualization is an effective way to easily comprehend large amounts of data. For su systems to be truly effective, the information visualization designer must be aware of the ways


which their system may be manipulated and protect their ...

Keyw ords: denial of information, information visualization, malicious visualizations, secure visualization, usability attacks

4 [Wireless hotspots: current challenges and future directions](#)

 Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl
September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots


Publisher: ACM

Full text available:  pdf(117.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 194, Citation Count: 5

In recent years, wireless Internet service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowering them with the ability to access email, Web, and other Internet ...

5 [Client certificate and IP address based multi-factor authentication for J2EE web application](#)

 Heesun Park, Stan Redford
October 2007 CASCON '07: Proceedings of the 2007 conference of the center for advanced studies Collaborative research

Publisher: ACM

Full text available:  pdf(102.66 KB) Additional Information: [full citation](#), [abstract](#), [references](#)



Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 131, Citation Count: 0

Secure and encrypted authentication is an important aspect of J2EE web application security. SSL client certificate authentication provides an encrypted log-on mechanism and a single sign-on capability that does not involve the use of passwords. Unlike ...

Keyw ords: IP address checking, J2EE web application, SSL client certificate, certificate based authentication, multi-factor authentication

6 [Survivability analysis of networked systems](#)


Somesh Jha, Jeannette M. Wing
July 2001 ICSE '01: Proceedings of the 23rd International Conference on Software Engineering
Publisher: IEEE Computer Society

Full text available:  pdf(165.16 KB)  Publisher Site Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 64, Citation Count: 5

Survivability is the ability of a system to continue operating despite the presence of abnormal events such as failures and intrusions. Ensuring system survivability has increased in importance as critical infrastructures have become heavily dependent ...

7 [Googling considered harmful](#)

 Gregory Conti
September 2006 NSPW '06: Proceedings of the 2006 workshop on New security paradigms
Publisher: ACM

Full text available:  pdf(138.73 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 68, Downloads (12 Months): 454, Citation Count: 0

Virtually every Internet user on the planet uses the powerful free tools offered by a handful of information service providers in many aspects of their personal and professional lives. As a result, users and organizations are freely providing unprecedented ...

Keywords: AOL, Google, anonymity, anonymization, fingerprinting, googling, information disclosure, privacy, search, usable security

8 [Should spam be on the menu?](#)



Janice C. Sipior, Burke T. Ward, P. Gregory Bonner

June 2004 Communications of the ACM, Volume 47 Issue 6

Publisher: ACM

Full text available: pdf(96.59 KB) html(26.71 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by terms](#)

Bibliometrics: Downloads (6 Weeks): 27, Downloads (12 Months): 229, Citation Count: 1

Email marketing is an excellent, low-cost way to reach consumers, but spammers are currently abusing much of its potential. The challenge is to develop an email marketing process that is consensual, efficient, and constitutional.

9 [Dynamic pharming attacks and locked same-origin policies for web browsers](#)



Chris Karlof, Umesh Shankar, J. D. Tygar, David Wagner

October 2007 CCS '07: Proceedings of the 14th ACM conference on Computer and communications security

Publisher: ACM

Full text available: pdf(504.43 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 101, Downloads (12 Months): 467, Citation Count: 0

We describe a new attack against web authentication, which we call *dynamic pharming*. Dynamic pharming works by hijacking DNS and sending the victim's browser malicious Javascript, which exploits DNS rebinding vulnerabilities and the name-based ...

Keywords: pharming, same-origin policy, web authentication

10 [Web wallet: preventing phishing attacks by revealing user intentions](#)



Min Wu, Robert C. Miller, Greg Little

July 2006 SOUPS '06: Proceedings of the second symposium on Usable privacy and security

Publisher: ACM

Full text available: pdf(379.56 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 279, Citation Count: 4

We introduce a new anti-phishing solution, the Web Wallet. The Web Wallet is a browser sidebar which users can use to submit their sensitive information online. It detects phishing attacks by determining where users intend to submit their information ...

Keywords: e-commerce, user interface design, user study, world wide web and hypermedia

11 [Decision strategies and susceptibility to phishing](#)

Julie S. Downs, Mandy B. Holbrook, Lorrie Faith Cranor

July 2006 SOUPS '06: Proceedings of the second symposium on Usable privacy and security



 Publisher: ACM
Full text available:  pdf(266.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 311, Citation Count: 5

Phishing emails are semantic attacks that con people into divulging sensitive information using techniques to make the user believe that information is being requested by a legitimate source. order to develop tools that will be effective in combating ...

Key words: mental models, phishing, qualitative methods

12 [Johnny 2: a user test of key continuity management with S/MIME and Outlook Express](#)




 Simson L. Garfinkel, Robert C. Miller
July 2005 SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security
Publisher: ACM
Full text available:  pdf(665.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 143, Citation Count: 6

Secure email has struggled with significant obstacles to adoption, among them the low usability encryption software and the cost and overhead of obtaining public key certificates. Key continuity management (KCM) has been proposed as a way to lower ...

Key words: Usability, e-commerce, user interaction design, user studies



13 [Certified mail: the next challenge for secure messaging](#)

 Rolf Oppliger
August 2004 Communications of the ACM, Volume 47 Issue 8
Publisher: ACM
Full text available:  pdf(98.44 KB)  html(25.71 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 112, Citation Count: 0

The lack of evidence for message receipt is a missing piece of the infrastructure required for the professional use of email.



14 [The battle against phishing: Dynamic Security Skins](#)

 Rachna Dhamija, J. D. Tygar
July 2005 SOUPS '05: Proceedings of the 2005 symposium on Usable privacy and security
Publisher: ACM
Full text available:  pdf(398.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 57, Downloads (12 Months): 512, Citation Count: 16

Phishing is a model problem for illustrating usability concerns of privacy and security because both system designers and attackers battle using user interfaces to guide (or misguide) users. We present a new scheme, Dynamic Security Skins, that allows ...

15 [Cantina: a content-based approach to detecting phishing web sites](#)

 Yue Zhang, Jason I. Hong, Lorrie F. Cranor
May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web
Publisher: ACM
Full text available:  pdf(782.94 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 40, Downloads (12 Months): 429, Citation Count: 3

Phishing is a significant problem involving fraudulent email and web sites that trick unsuspecting into revealing private information. In this paper, we present the design, implementation, and evaluation of CANTINA, a novel, content-based approach ...


Key words: TF-IDF, anti-phishing, evaluation, phishing, toolbar

16 MobileNAT: a new technique for mobility across heterogeneous address spaces

Milind Buddhikot, Adishesu Hari, Kundan Singh, Scott Miller

June 2005 Mobile Networks and Applications, Volume 10 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:  pdf(1.60 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 87, Citation Count: 0

We propose a new network layer mobility architecture called MOBILENAT to efficiently support n and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) ...

Key words: MOBILENAT, design, experimentation, mobility



17 Social phishing



Tom N. Jagatic, Nathaniel A. Johnson, Markus Jakobsson, Filippo Menczer

October 2007 Communications of the ACM, Volume 50 Issue 10

Publisher: ACM

Full text available:  pdf(204.74 KB);  html(33.37 KB)

Additional Information: [full citation](#), [appendices and supplement](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 148, Downloads (12 Months): 1899, Citation Count: 0

Sometimes a "friendly" email message tempts recipients to reveal more online than they otherwise would, playing right into the sender's hand.

18 MobileNAT: a new technique for mobility across heterogeneous address spaces



Milind Buddhikot, Adishesu Hari, Kundan Singh, Scott Miller

September 2003 WMASH '03: Proceedings of the 1st ACM international workshop on Wireless mobile applications and services on WLAN hotspots

Publisher: ACM

Full text available:  pdf(303.26 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation Count: 0

We propose a new network layer mobility architecture called MobileNAT to efficiently support micro and macro-mobility in and across heterogeneous address spaces common in emerging public networks. The key ideas in this architecture are as follows: (1) ...

Key words: MobileNAT, mobility

19 Wireless hotspots: current challenges and future directions


Anand Balachandran, Geoffrey M. Voelker, Paramvir Bahl

June 2005 Mobile Networks and Applications, Volume 10 Issue 3

Publisher: Kluwer Academic Publishers

Full text available:

Additional Information:

 pdf(780.01 KB)

[full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 69, Downloads (12 Months): 371, Citation Count: 2

In recent years, wireless Interact service providers (WISPs) have established Wi-Fi hotspots in increasing numbers at public venues, providing local coverage to traveling users and empowerin them with the ability to access email, Web, and other Internet ...

Key words: deployment, performance

20 [PHONEY: Mimicking User Response to Detect Phishing Attacks](#)

Madhusudhanan Chandrasekaran, Ramkumar Chinchani, Shambhu Upadhyaya

June 2006 WOWMOM '06: Proceedings of the 2006 International Symposium on on World of Wire Mobile and Multimedia Networks

Publisher: IEEE Computer Society

Full text available:  pdf(348.62 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 114, Citation Count: 0





Phishing scams pose a serious threat to end-users and commercial institutions alike. Email conti to be the favorite vehicle to perpetrate such scams mainly due to its widespread use combined \ the ability to easily spoof them. Several approaches, ...

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